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Examiner's Cite No.

INFORMATION DISCLOSURE STATEMENT	Attorney Docket Number	4239-62263-01
	Application Number	10/070,053
	Filing Date	June 10, 2002
BY APPLICANT	First Named Inventor	Schneider
	Art Unit	1637
	Examiner Name	Teresa E. Strzelecka

U.S. PATENT DOCUMENTS

NOTE: If this application was filed after June 30, 2003, copies of United States patents and United States published patent applications do not have to be provided to the Patent Office. This requirement of 37 C.F.R. § 1.98(a)(2)(i) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on August 5, 2003 (1276 OG 55).

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
TS		2002/0164629 A1	11/07/2002	Quake et al.
TS		5,470,710	11/28/1995	Weiss et al.
ĩS		5,547,835	08/20/1996	Köster

FOREIGN PATENT DOCUMENTS

Initials*	(optional)	Country	Number	Publication Date	Applicant or Patentee
xaminer's Initials*	Cite No. (optional)	OTHER DOCUMENTS			
TS	V		ONA Substrates E	sfer to Investigate the agment," Biochemistry	

EXAMINER TERSO Strelection	DATE CONSIDERED:	10/22/04	

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Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
TS	V	2003/0134807 A1	07/17/2003	Hardin et al.
TS		2003/0064366 A1	04/03/2003	Hardin et al.

FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
TS		WIPO	WO 02/04680 A2	17.01.2002	Visigen Biotechnologies, Inc
Examiner's Initials*	Cite No. (optional)		ОТІ	HER DOCUMENTS	
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FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
Examiner's Initials*	Cite No. (optional)		ОТ	HER DOCUMENTS	
TS	V	Braslavsky et al., " Proc. Natl. Acad. S	Sequence information in 100:3960-396	ation can be obtained fro 4 (2003).	om single DNA molecules,"

EXAMINER SIGNATURE:	Teesa St nelectia	DATE CONSIDERED:	9/11/2004
			

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Date of Mailing: February 28, 2002

INFORMATION DISCLOSURE **STATEMENT**

BY APPLICANT

Docket: 4239-62263

Applicant: Schneider et al.

Art Unit: 1637 Filed: Herewith

U.S. PATENT DOCUMENTS

Init.*	Number	Date	Name	Class	Sub	Filed
7,5	4,711,955	12/8/1987	Ward et al.	Ì		
	4,793,705	12/27/1988	Shera			
	4,917,462	4/17/1990	Lewis et al.			
	4,962,037	10/9/1990	Jett et al.			
	5,017,009	5/21/1991	Schutt et al.			
	5,047,519	9/10/1991	Hobbs, Jr. et al.			
3	5,064,754	11/12/1991	Mills			
	5,105,305	4/14/1992	Betzig et al.			
e de la companya de l	5,124,247	6/23/1992	Ansorge			
	5,151,507	9/29/1992	Hobbs Jr., et al.			
	5,221,518	6/22/1993	Mills			
	5,242,796	9/7/1993	Prober et al.			
	5,306,618	4/26/1994	Prober et al.			
	5,332,666	7/26/1994	Prober et al.			
	5,354,985	10/11/1994	Quate			
-5	5,360,523	11/1/1994	Middendorf et al.	+-+-		 -

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^{*}Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.

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Express Mail No. EV053212695US Date of Mailing: February

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INFORMATION DISCLOSURE **STATEMENT**

BY APPLICANT

Docket: 4239-62263

Applicant: Schneider et al.

Art Unit: 1637Filed: Herewith

U.S. PATENT DOCUMENTS

Init.*	Number	Date	Name	Class	Sub	Filed
TS	5,389,779	2/14/1995	Betzig et al.			
	5,405,747	4/11/1995	Jett et al.			
	5,556,790	9/17/1996	Pettit			
	5,614,386	3/25/1997	Metzker et al.			*
	5,625,048	4/29/1997	Tsien et al.			
	5,654,176	8/5/1997	Smith			
	5,661,028	8/26/1997	Foote			
a de la companya de l	5,674,743	10/7/1997	Ulmer			
	5,707,804	1/13/1998	Mathies et al.			
	5,763,594	6/9/1998	Hiatt et al.			
20	5,777,079	7/7/1998	Tsien et al.			
	5,780,232	7/14/1998	Arlinghaus et al.			
	5,800,996	9/1/1998	Lee et al.			
	5,814,454	9/29/1998	Ju			
	5,821,058	10/13/1998	Smith et al.			
	5,866,336	2/2/1999	Nazarenko et al.			
7	6,210,896	4/3/2001	Chan		-	

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^{*}Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.

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Date of Mailing: February 28, 2002

INFORMATION DISCLOSURE **STATEMENT**

BY APPLICANT

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Docket: 4239-62263	App: 10/070,0		
Applicant: Schneider et al	<u> </u>		

Filed: Herewith Art Unit: 1637

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		FOREIGN	PAT	ENT DOCUMENTS	8			<u> </u>
	Number	Date		Country	Class	S	ub	
TS	WO 97/30366	21.08.97	PC	Γ	i			\top
	WO 97/40191	30.10.97	PC					\top
	WO 98/33939	06.08.98	PCT					+
	WO 99/05315	04.02.99	PC					+
	WO 00/53805	14.09.00	PCT					
TS	WO 00/70073	23.11.00	PCT			+		
		ОТН	ER D	OCUMENTS				
TS	Baubet et al Reporters at	:9586-9593 (1 ., "Chimeric G the Single-Cel	1989). Freen I	Fluorescent Protein-A el," <i>Proc. Natl. Acad.</i>	equorin as B Sci. USA 97	iolumi 7:7260-	nescent Ca 7265 (2000	²⁺ O).
	Acetic Anny	dride-Salicyth	ıydraz	ence Histochemistry ide-Zinc (or Fluorescoxyl Groups of Prote	ent Ketone) 7	Technia	ane for	he
	Clegg, "Fluc Enzymol. 21	prescence Reso 1:353-388 (199	nance 92).	Energy Transfer and	Nucleic Aci	ds," <i>M</i>	ethods in	
TS	Delagrave et Bio/Tech. 13	al., "Red-Shift:151-154 (1995	ted Ex	ccitation Mutants of the	he Green Flu	oresce	nt Protein,"	<u> </u>
EXAMINE	I CALLAST			DATE a	111/0/4			
Examiner:	Initial if considered, v	vhether or not i	in con	formance with MPER	609; draw l	ine thro	ough cite if	,
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10/070053 JC13 Rec'd PCT/PTO 28 FFB 2002 Express Mail No. EV053212695US Date of Mailing: February 28, 2002

INFORMATION DISCLOSURE STATEMENT		ATION DISCLOSUDE	Docket: 4239-62263	App: 10/070,053			
			Applicant: Schneider et al.				
	BY APPLICANT		Filed: Herewith	Art Unit: 1637			
		OTHER :	DOCUMENTS				
TS		Ehrig et al., "Green-Fluorescer Spectra," FEBS Lett. 367:163-	nt Protein Mutants with Altered Fl 166 (1995).	uorescence Excitation			
		Fang et al., "Imaging Single Fluorescent Molecules at the Interface of an Optical Fiber Probe by Evanescent Wave Excitation," Anal. Chem. 71:3101-3105 (1999).					
		Funatsu et al., "Imaging of Single Fluorescent Molecules and Individual ATP Turnovers by Single Myosin Molecules in Aqueous Solution," <i>Nature 374</i> :555-559 (1995).					
		Gordon et al., "Quantitative Fluorescence Resonance Energy Transfer Measurements Using Fluorescence Microscopy," <i>Biophys. J.</i> 74:2702-2713 (1998).					
		Ha et al., "Probing the Interaction Between Two Single Molecules: Fluorescence Resonance Energy Transfer Between a Single Donor and a Single Acceptor," <i>Proc. Natl. Acad. Sci. USA 93</i> :6264-6268 (1996).					
		Harada et al., "Mechanochemical Coupling in Actomyosin Energy Transduction Studied by in Vitro Movement Assay," J. Mol. Biol. 216:49-68 (1990).					
		Harms et al., "Single-Molecule Anisotrophy Imaging," Biophys. J. 77:2864-2870 (1999).					
		Heyduk et al., "Thiol-Reactive, Luminescent Europium Chelates: Luminescence Probes for Resonance Energy Transfer Distance Measurements in Biomolecules," Anal. Biochem. 248:216-227 (1997).					
TS		Heyduk et al., "Architecture of a Complex Between the σ ⁷⁰ Subunit of Escherichia coli RNA Polymerase and the Nontemplate Strand Oligonucleotide," J. Biol. Chem. 274:3315-3322 (1999).					
EXAM	1,	eiera St nelectia	DATE 9/11/04				
Examir not in co	ner: Initial i onformance	f considered, whether or not in co and not considered. Send copy.	nformance with MPEP 609; draw	line through cite if			

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INFORMATION DISCLOSURE	Docket: 4239-62263	App: 101070, 053					
STATEMENT	Applicant: Schneider et al.						
BY APPLICANT	Filed: Herewith	Art Unit: <u>1637</u>					
ОТНЕ	R DOCUMENTS						
Hung et al., "Cyanine Dyes Chromophores in Energy T	Hung et al., "Cyanine Dyes with High Absorption Cross Section as Donor Chromophores in Energy Transfer Primers," Anal. Biochem. 243:15-27 (1996).						
Inouye et al., "Aequorea Gr Fluorescence Characteristic (1994).	Inouye et al., "Aequorea Green Fluorescent Protein. Expression of the Gene and Fluorescence Characteristics of the Recombinant Protein," FEBS Lett. 341:277-280 (1994).						
Itakura et al., "Force-General Comm. 196:1504-1510 (199	Itakura et al., "Force-Generating Domain of Myosin Motor," Biochem. Biophys. Res. Comm. 196:1504-1510 (1993).						
Karger et al., "Multiwaveler Capillary Electrophoresis,"	Karger et al., "Multiwavelength Fluorescence Detection for DNA Sequencing Using Capillary Electrophoresis," Nucleic Acids Res. 19:4955-4962 (1991).						
News & Features, pp. 31A-	Array Electrophoresis DNA Sequ 37A (1999)	nencing," Analy. Chem.					
Kitamura et al., "A Single M Steps of 5.3 Nanometres," A	Kitamura et al., "A Single Myosin Head Moves Along an Actin Filament with Regular Steps of 5.3 Nanometres," <i>Nature 397</i> :129-134 (1999).						
Kumar et al., "Silanized Nucleic Ac	Kumar et al., "Silanized Nucleic Acids: A General Platform for DNA Immobilization," Nucleic Acids Res. 28:e71 (2000).						
Lemon et al., "Localization of Model of Replication," Scien	Lemon et al., "Localization of Bacterial DNA Polymerase: Evidence for a Factory Model of Replication," Science 282:1516-1519 (1998).						
Mazzola et al., "Imaging Bio J. 68:1653-1660 (1995).	molecule Arrays by Atomic Force	ce Microscopy," Biophys.					
EXAMINER: Teresa Structuca	DATE 0/11/01						
*Examiner: Initial if considered, whether or not in not in conformance and not considered. Send cop	conformance with MPEP 609; dy.	raw line through cite if					

10/070053 Express Mail No. Ev053212693US02 Date of Mailing: February 28, 2002

INFORMATION DISCLOSURE		Docket: 4239-62263	App: 10/040,053				
	STATEMENT	Applicant: Schneider et al	l.				
	BY APPLICANT	Filed: Herewith	Art Unit: (637				
	ОТНЕ	CR DOCUMENTS					
7.5	Mitra et al., "Fluorescence Red-Shifted Excitation Der (1996).	Resonance Energy Transfer Bet ivatives of the Green Fluorescent	ween Blue-Emitting and nt Protein," Gene 173:13-17				
	Müller et al., "A Strategy for 268:272-273 (1995).	Müller et al., "A Strategy for the Chemical Synthesis of Nanostructures," Science 268:272-273 (1995).					
	Park et al., "Block of Copol Square Centimeter," Science	Park et al., "Block of Copolymer Lithography: Periodic Arrays of ~10 ¹¹ Holes in 1 Square Centimeter," Science 276:1401-1404 (1997).					
	Park et al., "Green Fluoresco Protein Science 6:2344-234	ent Protein as a Signal for Prote 9 (1997).	in-Protein Interactions,"				
	Pierce et al., "Imaging Indiv	idual Green Fluorescent Proteir	ns," Nature 388:338 (1997).				
	Sinclair, "Sequence or Die - Scientist, pp. 18-20, April 12	Automated Instrumentation for 2, 1999.	the Genome Era," The				
	Szöllósi et al., "Application Clinical Laboratory: Routing	of Fluorescence Resonance Ene e and Research," Cytometry 34:	rgy Transfer in the 159-179 (1998).				
	Travis, "Physics Festival Bri	ghtens Rainy San Jose," Science	e 268:30-31 (1995).				
TS	Unger et al., "Single-Molecu Illumination," BioTechniques	le Fluorescence Observed with s 27:1008-1014 (1999).	Mercury Lamp				
EXAMIN	remember medical	DATE COLUMN	Ä				
Examiner not in conf	r: Initial if considered, whether or not in formance and not considered. Send cop	conformance with MPEP 609:	draw line through cite if				

10/070053 JC13 Rec'd PCT/PTO 28 FFB 2002 Express Mail No. EV053212695US Date of Mailing: February 28, 2002

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Docket: 4239-62263	App: 10/070,053		
		Applicant: Schneider et al.			
		Filed: Herewith	Art Unit: 1637		
	ОТНЕ	CR DOCUMENTS			
75	Weiss, "Fluorescence Speci (1999).	troscopy of Single Biomolecu	les," Science 283:1676-1683		
					
EXAMINER:	iesa Unelectia	DATE CI/II/	104		
Examiner: Initial if co	onsidered, whether or not in d not considered. Send cop	conformance with MPEP 600	; draw line through cite if		